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| Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i> | | | Docket Number (Optional) 2269-4974.1US (00-0693.01/US) | | Application Number Not Yet Assigned | |
| | | | Applicant Teck Kheng Lee | | | |
| | | | Filing Date April 22, 2004 | | Group Art Unit Unknown | |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------------|---------|-----------------|-------|----------|-------------------------------|
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| PEP | 4,807,021 | 02/1989 | Okumura | | | |
| | 5,347,159 | 09/1994 | Khandros et al. | | | |
| | 5,366,794 | 11/1994 | Nakao | | | |
| | 5,385,869 | 01/1995 | Liu et al. | | | |
| | 5,386,341 | 01/1995 | Olson et al. | | | |
| | 5,397,921 | 03/1995 | Kamezos | | | |
| | 5,409,865 | 04/1995 | Kamezos | | | |
| | 5,422,205 | 06/1995 | Inoue et al. | | | |
| ↓ | 5,438,477 | 08/1995 | Pasch | | | |
| | 5,448,511 | 09/1995 | Paurus et al. | | | |
| PEP | 5,504,277 | 04/1996 | Danner | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-------------------|---------|--------------|-------|----------|-------------|----|
| | DOCUMENT NUMBER | DATE | APPLICANT | CLASS | SUBCLASS | Translation | |
| | | | | | | YES | NO |
| PEP | WO 99/65282 | 12/1999 | Eide | | | | |
| PEP | JP 2002-028702/04 | 09/1999 | Katsumasa | | | | |
| PEP | JP 2000-183082 | 06/2000 | Hitachi Ltd. | | | | |

| OTHER DOCUMENTS | | (Including Author, Title, Date, Pertinent Pages, Etc.) |
|-----------------|--|--|
| PEP | | U. S. Patent Application entitled MICROELECTRONIC DEVICES AND METHODS OF MANUFACTURE, filed August 30, 2001, Serial No. 09/944,465. |
| PEP | | ISAAK, H. et al., "Development of Flex Stackable Carriers" IEEE Electronic Components and Technology Conference, 2000 Proceedings 50th, 5/21/2000-5/24/2000, Las Vegas, NV, USA, pp. 378-84, IEEE Catalog No: 00CH37070. |
| PEP | | Copy of Australian Patent Office, Search Report, 30 May 2003, 4 pages. |

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| EXAMINER /Pamela Perkins/ | DATE CONSIDERED 06/20/2006 |
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| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------------|---------|------------------------|-------|----------|-------------------------------|
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| PEP | 5,598,033 | 01/1997 | Behlen et al. | | | |
| | 5,646,446 | 07/1997 | Nicewarner, Jr. et al. | | | |
| | 5,663,530 | 09/1997 | Schueller et al. | | | |
| | 5,668,405 | 09/1997 | Yamashita | | | |
| | 5,674,785 | 10/1997 | Akram et al. | | | |
| | 5,697,148 | 12/1997 | Lance, Jr. et al. | | | |
| | 5,710,071 | 01/1998 | Beddingfield et al. | | | |
| | 5,719,449 | 02/1998 | Strauss | | | |
| | 5,721,151 | 02/1998 | Padmanabhan et al. | | | |
| ↓ | 5,739,585 | 04/1998 | Akram et al. | | | |
| PEP | 5,747,982 | 05/1998 | Dromgoole et al. | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------------|---------|------------------|-------|----------|-------------------------------|
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| PEP | 5,752,182 | 05/1998 | Nakatsuka et al. | | | |
| ↓ | 5,758,413 | 06/1998 | Chong et al. | | | |
| ↓ | 5,798,285 | 08/1998 | Bentlage et al. | | | |
| ↓ | 5,798,567 | 08/1998 | Kelly et al. | | | |
| ↓ | 5,805,422 | 09/1998 | Otake et al. | | | |
| ↓ | 5,818,113 | 10/1998 | Iseki et al. | | | |
| ↓ | 5,834,338 | 11/1998 | Takeda et al. | | | |
| ↓ | 5,834,366 | 11/1998 | Akram | | | |
| ↓ | 5,834,848 | 11/1998 | Iwasaki | | | |
| ↓ | 5,835,355 | 11/1998 | Dordi | | | |
| PEP | 5,843,808 | 12/1998 | Kamezos | | | |


| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|--------------------|------|---------|-------|----------|-------------|----|
| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
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| EXAMINER <div style="text-align: right; padding-right: 50px;">/Pamela Perkins/</div> | DATE CONSIDERED <div style="text-align: center; padding-top: 10px;">06/20/2006</div> |
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| U.S. PATENT DOCUMENTS | | | | | | |
|---|--------------------|---------|------------------|-------|----------|-------------------------------|
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|  | 5,844,168 | 12/1998 | Schueller et al. | | | |
| | 5,866,953 | 02/1999 | Akram et al. | | | |
| | 5,886,408 | 03/1999 | Ohki et al. | | | |
| | 5,891,753 | 04/1999 | Akram | | | |
| | 5,898,224 | 04/1999 | Akram | | | |
| | 5,973,389 | 10/1999 | Culnane et al. | | | |
| | 5,973,404 | 10/1999 | Akram et al. | | | |
| | 5,977,640 | 11/1999 | Bertin et al. | | | |
| | 5,982,030 | 11/1999 | MacIntyre | | | |
| | 5,984,691 | 11/1999 | Brodsky et al. | | | |
| PEP | 5,990,545 | 11/1999 | Schueller et al. | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------------|---------|-------------------|-------|----------|-------------------------------|
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| PEP | 5,991,161 | 11/1999 | Samaras et al. | | | |
| | 6,005,776 | 12/1999 | Holman et al. | | | |
| | 6,008,543 | 12/1999 | Iwabuchi | | | |
| | 6,011,694 | 01/2000 | Hirakawa | | | |
| | 6,013,948 | 01/2000 | Akram et al. | | | |
| | 6,020,629 | 02/2000 | Farnworth et al. | | | |
| | 6,024,584 | 02/2000 | Lemke et al. | | | |
| | 6,027,346 | 02/2000 | Sinsheimer et al. | | | |
| ↓ | 6,028,365 | 02/2000 | Akram et al. | | | |
| | 6,034,427 | 03/2000 | Lan et al. | | | |
| PEP | 6,039,889 | 03/2000 | Zhang et al. | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------------|---------|------------------|-------|----------|-------------------------------|
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| PEP | 6,040,630 | 03/2000 | Panchou et al. | | | |
| ↓ | 6,050,832 | 04/2000 | Lee et al. | | | |
| | 6,057,178 | 05/2000 | Galuschki et al. | | | |
| | 6,060,782 | 05/2000 | Ohsono et al. | | | |
| | 6,064,114 | 05/2000 | Higgins, III | | | |
| | 6,072,233 | 06/2000 | Corisis et al. | | | |
| | 6,074,897 | 06/2000 | Degani et al. | | | |
| | 6,075,710 | 06/2000 | Lau | | | |
| ↓ | 6,079,991 | 06/2000 | Lemke et al. | | | |
| | 6,093,035 | 07/2000 | Lemke et al. | | | |
| PEP | 6,116,921 | 09/2000 | Scholz et al. | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| U.S. PATENT DOCUMENTS | | | | | | |
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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| <div style="font-size: 2em;">V</div> | PEP | 6,124,631 | 09/2000 | Cardot et al. | | |
| | | 6,127,736 | 10/2000 | Akram | | |
| | | 6,137,062 | 10/2000 | Zimmerman | | |
| | | 6,137,164 | 10/2000 | Yew et al. | | |
| | | 6,137,183 | 10/2000 | Sako | | |
| | | 6,157,541 | 12/2000 | Hacke | | |
| | | 6,165,885 | 12/2000 | Gaynes et al. | | |
| | | 6,172,422 B1 | 01/2001 | Chigawa et al. | | |
| | | 6,179,598 B1 | 01/2001 | Bränd | | |
| | | 6,191,487 B1 | 02/2001 | Rodenbeck et al. | | |
| PEP | 6,208,521 B1 | 03/2001 | Nakatsuka | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------|--------------|---------------|----------------|----------|----------------------------|
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| PEP | 6,212,768 B1 | 04/2001 | Murakami | | | |
| | 6,214,156 B1 | 04/2001 | Takano et al. | | | |
| | 6,218,202 B1 | 04/2001 | Yew et al. | | | |
| | 6,219,911 B1 | 04/2001 | Estes et al. | | | |
| | 6,221,763 B1 | 04/2001 | Gilton et al. | | | |
| | 6,225,688 B1 | 05/2001 | Kim et al. | | | |
| | 6,229,711 B1 | 05/2001 | Yoneda | | | |
| | 6,262,895 B1 | 07/2001 | Forthun | | | |
| | 6,291,775 B1 | 09/2001 | Saitoh | | | |
| | 6,294,455 B1 | 09/2001 | Ahn | | | |
| | PEP | 6,300,679 B1 | 10/2001 | Mukerji et al. | | |


| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----------------|------|---------|-------|----------|-------------|----|
| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
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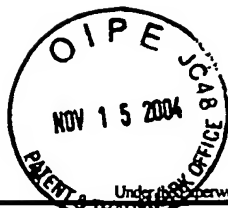
| U.S. PATENT DOCUMENTS | | | | | | |
|---|-----------------|---------|---------------|-------|----------|-------------------------------|
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| PEP | 6,310,288 B1 | 10/2001 | Moden | | | |
|  | 6,323,060 B1 | 11/2001 | Isaak | | | |
| | 6,413,102 B2 | 07/2002 | Jiang et al. | | | |
| | 6,429,516 B1 | 08/2002 | Tsunoi | | | |
| | 6,432,737 B1 | 08/2002 | Webster | | | |
| | 2002/0167092 A1 | 11/2002 | Fee et al. | | | |
| | 6,489,687 B1 | 12/2002 | Hashimoto | | | |
| | 6,492,737 B1 | 12/2002 | Imasu et al. | | | |
| PEP | 6,518,677 B1 | 02/2003 | Capote et al. | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
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PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

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|------------------------|-------------------------------|
| Application Number | 10/829,647 |
| Filing Date | April 22, 2004 |
| First Named Inventor | Teck Kheng Lee |
| Group Art Unit | 2812 |
| Examiner Name | Unknown |
| Attorney Docket Number | 2269-4974.1US (00-0693.01/US) |

U.S. PATENT DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|------------------------|--------------------------|--|--------------------------------|--|---|
| | | Number - Kind Code ² (if known) | | | |
| PEP | | US-3,239,496 | 03/1966 | Jursich | |
| | | US- 4,074,342 | 02/1978 | Honn et al. | |
| | | US- 4,818,728 | 04/1989 | Rai et al. | |
| | | US- 5,148,265 | 09/1992 | Khandros | |
| | | US- 5,346,861 | 09/1994 | Khandros | |
| | | US- 5,404,044 | 04/1995 | Booth et al. | |
| | | US- 5,468,681 | 11/1995 | Pasch | |
| | | US- 5,489,804 | 02/1996 | Pasch | |
| | | US- 5,679,977 | 10/1997 | Khandros | |
| | | US- 5,683,942 | 11/1997 | Kata | |
| | | US- 5,742,100 | 04/1998 | Schroeder et al. | |
| | | US- 5,777,391 | 07/1998 | Nakamura | |
| | | US- 5,821,624 | 10/1998 | Pasch | |
| | | US- 5,905,303 | 05/1999 | Kata | |
| | | US- 6,022,761 | 02/2000 | Gruppen-Shemansky et al. | |
| | | US- 6,048,755 | 04/2000 | Jiang et al. | |
| | | US- 6,133,637 | 10/2000 | Hikita et al. | |
| | | US- 6,177,723 | 01/2001 | Eng et al. | |
| | | US- 6,217,343 | 04/2001 | Okuno | |
| PEP | | US- 6,222,265 | 04/2001 | Akram et al. | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁴ |
|------------------------|--------------------------|---|--------------------------------|---|---|----------------|
| | | Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | | | | |
| PEP | | EP 684644 | 11/1995 | Kata et al. | | |
| PEP | | EP 1009027 | 06/2000 | Okuno | | |
| PEP | | KR 2001054744 | 07/2001 | Choi et al. | | x |
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| | | | | Application Number | 10/829,647 |
| | | | | Filing Date | April 22, 2004 |
| | | | | First Named Inventor | Teck Kheng Lee |
| | | | | Group Art Unit | 2812 |
| | | | | Examiner Name | Unknown |
| | | | | Attorney Docket Number | 2269-4974.1US (00-0693.01/US) |
| | | | | Sheet | 2 |

| U.S. PATENT DOCUMENTS | | | | | | |
|------------------------|--------------------------|--|--------------------------------|--|---|--|
| Examiner Initials * | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | |
| | | Number - Kind Code ² (if known) | | | | |
| PEP | | US- 6,232,666 | 05/2001 | Corisis et al. | | |
| ↓ | | US- 6,242,932 | 06/2001 | Hembree | | |
| | | US - 6,291,265 | 09/2001 | Mess | | |
| | | US - 6,291,775 B1 | 09/2001 | Saitoh | | |
| | | US - 6,295,730 | 10/2001 | Akram | | |
| | | US - 6,338,985 | 01/2002 | Greenwood | | |
| | | US - 6,468,831 | 10/2002 | Leong et al. | | |
| | | US - 6,482,676 | 11/2002 | Tsunoi et al. | | |
| | | US - 6,489,676 | 12/2002 | Taniguchi et al. | | |
| | | US - 6,515,324 B2 | 02/2003 | Shibuya et al. | | |
| | | US - 6,586,830 B2 | 07/2003 | Saito | | |
| | | US - 6,714,418 | 03/2004 | Frankowsky et al. | | |
| | | US - 6,744,122 | 06/2004 | Hashimoto | | |
| | | US - 6,756,251 | 06/2004 | Lee | | |
| | | US - 6,791,195 | 09/2004 | Urushima | | |
| | | US - 2002/0045611 A1 | 04/2002 | Abrams et al. | | |
| | | US - 2002/0079594 A1 | 06/2002 | Sakurai | | |
| | V | | US - 2002/0142513 A1 | 10/2002 | Fee et al. | |
| | | | US - 2002/0185661 A1 | 12/2002 | Kawanobe et al. | |
| PEP | | US - 2003/0134450 A1 | 07/2003 | Lee | | |

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| Examiner Name | Unknown |
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NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|------------------------|--------------------------|---|----------------|
| PEP | | AL-SARAWI et al., A A review of 3-D packaging technology,@ Components, Packaging, and Manufacturing Technology, Part B: IEEE Transactions on Advanced Packaging, Vol 21, Issue 1, Feb. 1998, pp. 2-14. | |
| | | ANDROS et al., ATBGA Package Technology,@ Components, Packaging, and Manufacturing Technology, Part B: IEEE Transactions on Advanced Packaging, Vol. 17, Issue 4, Nov. 1994, pp. 564-568. | |
| | | CLOT et al., AFlip-Chip on Flex for 3D Packaging,@ 1999. 24th IEEE/CPMT, 18-19 Oct. 1999, pp. 36-41. | |
| | | FERRANDO et al., AIndustrial approach of a flip-chip method using the stud-bumps with a non-conductive paste,@ Adhesive Joining and Coating Technology in Electronics Manufacturing, 2000. Proceedings. 4th International Conference on, 18-21, June 2000, pp. 205-211. | |
| | | GALLAGHER et al., AA Fully Additive, Polymeric Process for the Fabrication and Assembly of Substrate and Component Level Packaging,@ The First IEEE International Symposium on Polymeric Electronics Packaging, 26-30, Oct. 1997, pp. 56-63. | |
| | | GEISSINGER et al., A Tape Based CSP Package Supports Fine Pitch Wirebonding,@ Electronics Manufacturing Technology Symposium, 2002, IEMT 2002, 27th Annual IEEE/SEMI International, 17-18 July 2002, pp. 41-452. | |
| | | HATANAKA, H., A Packaging processes using flip chip bonder and future directions of technology development,@ Electronics Packaging Technology Conference, 2002. 4th, 10-12, Dec. 2002, pp. 434-439. | |
| | | HAUG et al., A Low-Cost Direct Chip Attach: Comparison of SMD Compatible FC Soldering with Anisotropically Conductive Adhesive FC Bonding,@ IEEE Transactions on Electronics Packaging Manufacturing, Vol. 23, No. 1, Jan 2000, pp. 12-18. | |
| | | KLOESER et al., A Fine Pitch Stencil Printing of Sn/Pb and Lead Free Solders for Flip Chip Technology,@ IEEE Transactions of CPMT - Part C, vol. 21, No. 1, 1998, pp. 41-49. | |
| | | LEE et al., A Enhancement of Moisture Sensitivity Performance of a FBGA,@ Proceedings of International Symposium on Electronic Materials & Packaging, 2000, pp. 470-475. | |
| PEP | | LI et al., A Stencil Printing Process Development for Flip Chip Interconnect,@ IEEE Transactions Part C: Electronics Packaging Manufacturing, Vol. 23, Issue 3, (July 2000), pp. 165-170. | |

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Sheet 4 of 4

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| Application Number | 10/829,647 |
| Filing Date | April 22, 2004 |
| First Named Inventor | Teck Kheng Lee |
| Group Art Unit | 2812 |
| Examiner Name | Unknown |
| Attorney Docket Number | 2269-4974 IUS (00-0693 01/IUS) |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T. ² |
|------------------------|--------------------------|---|-----------------|
| PEP | | LYONS et al., "A New Approach to Using Anisotropically Conductive Adhesives for Flip-Chip Assembly, Part A," <i>IEEE Transactions on Components, Packaging, and Manufacturing Technology</i> , Vol. 19, Issue 1, March 1996, pp. 5-11. | |
| | | TEO et al., "Enhancing Moisture Resistance of PBGA," <i>Electronic Components and Technology Conference</i> , 1998. 48 th IEEE, 25-28 May 1998, pp. 930-935. | |
| | | TEUTSCH et al., "Wafer Level CSP using Low Cost Electroless Redistribution Layer," <i>Electronic Components and Technology Conference</i> , 2000. 2000 Proceedings. 50 th , 21-24 May 2000, pp. Pages: 107-113. | |
| | | "The 2003 International Technology Roadmap for Semiconductor: Assembly and Packaging." | |
| | | TSUI et al., "Pad redistribution technology for flip chip applications," <i>Electronic Components and Technology Conference</i> , 1998. 48 th IEEE, 25-28 May 1998, pp. 1098-1102. | |
| PEP | | XIAO et al., "Reliability study and failure analysis of fine pitch solder-bumped flip chip on low-cost flexible substrate without using stiffener," <i>IEEE, 2002. Proceedings 52nd</i> , 28-31 May 2002, pp. 112-118. | |
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INFORMATION DISCLOSURE CITATION
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Docket Number (Optional)
2269-4974.1US (00-
0693.01/US)Application Number
10/829,647

Applicant Teck Kheng Lee

Filing Date April 22, 2004

Group Art Unit 2812



U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---------|-------------------|-------|----------|-------------------------------|
| PEP | 5,723,347 | 03/1998 | Hirano et al. | | | |
| | 5,812,378 | 09/1998 | Fjelstad et al. | | | |
| | 5,892,271 | 04/1999 | Takeda et al. | | | |
| | 5,986,460 | 11/1999 | Kawakami | | | |
| | 6,133,072 | 10/2000 | Fjelstad | | | |
| | 6,208,525 | 03/2001 | Imasu et al. | | | |
| | 6,271,469 | 08/2001 | Ma et al. | | | |
| | 6,281,046 | 08/2001 | Lam | | | |
| | 6,291,884 B1 | 09/2001 | Glenn et al. | | | |
| | 6,376,769 | 04/2002 | Chung | | | |
| | 6,404,648 B1 | 06/2002 | Slupe et al. | | | |
| | 6,407,450 | 06/2002 | Verma et al. | | | |
| | 6,452,807 | 09/2002 | Barrett | | | |
| | 6,534,853 | 03/2003 | Liu et al. | | | |
| | 6,552,910 | 04/2003 | Moon et al. | | | |
| | 6,563,223 | 05/2003 | Freeman | | | |
| | 6,600,222 | 07/2003 | Levarado | | | |
| | 6,634,100 B2 | 10/2003 | Akram et al. | | | |
| | 6,730,855 | 05/2004 | Bando | | | |
| | 2001/0048157 A1 | 12/2001 | Murtuza | | | |
| | 2001/053563 A1 | 12/2001 | Kim et al. | | | |
| | 2003/0042595 A1 | 03/2003 | Canella | | | |
| | 2004/0026773 A1 | 02/2004 | Koon et al. | | | |
| | 2004/0212055 A1 | 10/2004 | Exposito et al. | | | |
| PEP | 2004/0217454 A1 | 11/2004 | Brechignac et al. | | | |

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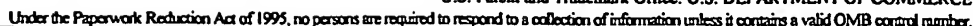
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| Filing Date | April 22, 2004 |
| First Named Inventor | Teck Kheng Lee |
| Group Art Unit | 2812 |
| Examiner Name | Unknown |
| Attorney Docket Number | 2269-4974.1US (00-0693.01/US) |

U.S. PATENT DOCUMENTS

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First Named Inventor

Teck Kheng Lee

Group Art Unit

2822

Examiner Name

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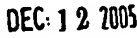
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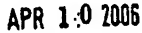
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